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MITRE Systems Engineering Guide Bloomsbury Publishing

This volume in the Swedish Studies in European Law series, produced by the Swedish Network for European Legal Studies, heralds the new harmonised regime of private enforcement of EU competition law. In 2013, the Commission issued a Communication and Practical Guide to the quantification of harm in antitrust litigation and a Recommendation on collective redress. In 2014, the long-awaited Directive on actions for damages for infringements of EU competition law was finally adopted. In 2016, the Commission is expected to issue guidelines on the passing-on of overcharges. This book examines these recent developments and offers the perspectives of judges, officials, practitioners and academics. With a preface by Judge Carl Wetter of the General Court, the book explores five different themes. In section one, the main policy issues and challenges are presented. In section two, the new regime is placed in the bigger picture of recent EU law developments. In section three, the nexus between private enforcement and transparency is investigated. A comparative perspective is offered in section four by looking into private enforcement in five Member State jurisdictions. Finally, issues relating to causation, harm and indirect purchasers are explored in section five.

The New Directive and Beyond Oxford University Press

An Introduction to Statistical Learning provides an accessible overview of the field of statistical learning, an essential toolset for making sense of the vast and complex data sets that have emerged in fields ranging from biology to finance to marketing to astrophysics in the past twenty years. This book presents some of the most important modeling and prediction techniques, along with relevant applications. Topics include linear regression, classification, resampling methods, shrinkage approaches, tree-based methods, support vector machines, clustering, and more. Color graphics and real-world examples are used to illustrate the methods presented. Since the goal of this textbook is to facilitate the use of these statistical learning techniques by practitioners in science, industry, and other fields, each chapter contains a tutorial on implementing the analyses and methods presented in R, an extremely popular open source statistical software platform. Two of the authors co-wrote The Elements of Statistical Learning (Hastie, Tibshirani and Friedman, 2nd edition 2009), a popular reference book for statistics and machine learning researchers. An Introduction to Statistical Learning covers many of the same topics, but at a level accessible to a much broader audience. This book is targeted at statisticians and non-statisticians alike who wish to use cutting-edge statistical learning techniques to analyze their data. The text assumes only a previous course in linear regression and no knowledge of matrix algebra.

Elements of Fiction Writing - Conflict and Suspense MIT Press

A sweeping, in-depth history of NSA, whose famous "cult of silence" has left the agency shrouded in mystery for decades The National Security Agency was born out of the legendary codebreaking programs of World War II that cracked the famed Enigma machine and other German and Japanese codes, thereby turning the tide of Allied victory. In the postwar years, as the United States developed a new enemy in the Soviet Union, our intelligence community found itself targeting not soldiers on the battlefield, but suspected spies, foreign leaders, and even American citizens. Throughout the second half of the twentieth century, NSA played a vital, often fraught and controversial role in the major events of the Cold War, from the Korean War to the Cuban Missile Crisis to Vietnam and beyond. In Code Warriors, Stephen Budiansky--a longtime expert in cryptology--tells the fascinating story of how NSA came to be, from its roots in World War II through the fall of the Berlin Wall. Along the way, he guides us through the fascinating challenges faced by cryptanalysts, and how they broke some of the most complicated codes of the twentieth century. With access to new documents,

Budiansky shows where the agency succeeded and failed during the Cold War, but his account also offers crucial perspective for assessing NSA today in the wake of the Edward Snowden revelations. Budiansky shows how NSA's obsession with recording every bit of data and decoding every signal is far from a new development; throughout its history the depth and breadth of the agency's reach has resulted in both remarkable successes and destructive failures. Featuring a series of appendixes that explain the technical details of Soviet codes and how they were broken, this is a rich and riveting history of the underbelly of the Cold War, and an essential and timely read for all who seek to understand the origins of the modern NSA.

A Strained Relationship? World Health Organization

Constitutionalism, Human Rights, and Islam after the Arab Spring offers a comprehensive analysis of the impact that new and draft constitutions and amendments - such as those in Jordan, Morocco, Syria, Egypt, and Tunisia - have had on the transformative processes that drive constitutionalism in Arab countries. This book aims to identify and analyze the key issues facing constitutional law and democratic development in Islamic states, and offers an in-depth examination of the relevance of the transformation processes for the development and future of constitutionalism in Arab countries. Using an encompassing and multi-faceted approach, this book explores underlying trends and currents that have been pivotal to the Arab Spring, while identifying and providing a forward looking view of constitution making in the Arab world.

Adaptation and Regulatory Implication Bloomsbury Publishing

Introduction to Probability Models, Tenth Edition, provides an introduction to elementary probability theory and stochastic processes. There are two approaches to the study of probability theory. One is heuristic and nonrigorous, and attempts to develop in students an intuitive feel for the subject that enables him or her to think probabilistically. The other approach attempts a rigorous development of probability by using the tools of measure theory. The first approach is employed in this text. The book begins by introducing basic concepts of probability theory, such as the random variable, conditional probability, and conditional expectation. This is followed by discussions of stochastic processes, including Markov chains and Poisson processes. The remaining chapters cover queuing, reliability theory, Brownian motion, and simulation. Many examples are worked out throughout the text, along with exercises to be solved by students. This book will be particularly useful to those interested in learning how probability theory can be applied to the study of phenomena in fields such as engineering, computer science, management science, the physical and social sciences, and operations research. Ideally, this text would be used in a one-year course in probability models, or a one-semester course in introductory probability theory or a course in elementary stochastic processes. New to this Edition: 65% new chapter material including coverage of finite capacity queues, insurance risk models and Markov chains Contains compulsory material for new Exam 3 of the Society of Actuaries containing several sections in the new exams Updated data, and a list of commonly used notations and equations, a robust ancillary package, including a ISM, SSM, and test bank Includes SPSS PASW Modeler and SAS JMP software packages which are widely used in the field Hallmark features: Superior writing style Excellent exercises and examples covering the wide breadth of coverage of probability topics Real-world applications in engineering, science, business and economics

Market Manipulation and Insider Trading Bloomsbury Publishing

Ensuring an adequate, long-term energy supply is a paramount concern in Europe. EU member states now intervene by encouraging investment in generation capacity, offering an additional revenue stream for conventional power plants in addition to the existing, heavily subsidised investments in renewable energy sources. These capacity remuneration mechanisms (or simply capacity mechanisms) have become a hot topic in the wider European regulatory debate. European electricity markets are increasingly interconnected, so the introduction of a capacity mechanism in one country not only distorts its national market but may have unforeseeable consequences for neighbouring electricity markets. If these mechanisms are adopted by several member states with no supra-national coordination and no consideration for their cross-border impact, they may cause serious market distortions and put the future of the European internal electricity market at risk. This book provides readers with an in-depth analysis of capacity mechanisms, written by an expert team of policy-makers, economists, and legal professionals. It will be a first point of reference for regulators and policy-makers responsible for designing optimal capacity mechanisms in Europe, and will be an invaluable resource for academics and practitioners in the fields of energy, regulation, and competition.

NSA's Codebreakers and the Secret Intelligence War Against the Soviet Union Bloomsbury Publishing

This thoughtful and provocative book provides a concise, up-to-date presentation of how current and projected future phosphorus scarcity will affect legume growth and their symbiotic nitrogen-fixing capabilities. It is a timely examination of the physiological and molecular responses of nodules to phosphorous deficiency in attempt to identify common principles. Students and researchers in the many disciplines related to crop productivity will find this title an exciting contribution in the area of plant stress physiology. The knowledge in this volume can also aid plant breeders, particularly through new methods of genetic engineering, in developing unique and adaptive cultivars with higher symbiotic efficiency. The awareness of the rapidly rising world population must translate into a parallel increase in agricultural production in order to sustain the growing population both now and in the future. Hence, the demand for food crops to produce proteins and vegetable oil for human consumption is going to increase considerably during the coming years. The essential role of legumes in agriculture is well-recognized, given the abundant levels of proteins and oils found in plants along with their enormous contribution to the sustainability of agricultural systems and human health. The capacity of legumes to fix nitrogen (N₂) in partnership with rhizobia provides an input-saving and resource-conserving alternative, thereby reducing the need for chemical fertilizers while enhancing overall crop productivity. The use of N₂-fixing legumes to produce plant proteins results in a substantial decrease in the consumption of fossil fuels and therefore also in the agricultural effects to global warming. However, a major constraint to legume production is low soil phosphorus (P) availability, considering that an overwhelming majority of the world's soils are classified as P-deficient. Low-P availability is especially problematic for legumes, since legume nodules responsible for N₂ fixation have a high P requirement. Therefore, this book explains how nodule N₂ fixation responds to low P availability, which is crucial for improving legume production and maintaining agricultural sustainability in the context of the global P crisis.

Frontex and Human Rights Juris Publishing, Inc.

The significantly expanded and updated new edition of a widely used text on reinforcement learning, one of the most active research areas in artificial intelligence. Reinforcement learning, one of the most active research areas in artificial intelligence, is a computational approach to learning whereby an agent tries to maximize the total amount of reward it receives while interacting with a complex, uncertain environment. In Reinforcement Learning, Richard Sutton and Andrew Barto provide a clear and simple account of the field's key ideas and algorithms. This second edition has been significantly expanded and updated, presenting new topics and updating coverage of other topics. Like the first edition, this second edition focuses on core online learning algorithms, with the more mathematical material set off in shaded boxes. Part I covers as much of reinforcement learning as possible without going beyond the tabular case for which exact solutions can be found. Many algorithms presented in this part are new to the second edition, including UCB, Expected Sarsa, and Double Learning. Part II extends these ideas to function approximation, with new sections on such topics as artificial neural networks and the Fourier basis, and offers expanded treatment of off-policy learning and policy-gradient methods. Part III has new chapters on reinforcement learning's relationships to psychology and neuroscience, as well as an updated case-studies chapter including AlphaGo and AlphaGo Zero, Atari game playing, and IBM Watson's wagering strategy. The final chapter discusses the future societal impacts of reinforcement learning.

University of Virginia Press
An authorised reissue of the long out of print classic textbook, Advanced Calculus by the late Dr Lynn Loomis and Dr Shlomo Sternberg both of Harvard University has been a revered but hard to find textbook for the advanced calculus course for decades. This book is based on an honors course in advanced calculus that the authors gave in the 1960's. The foundational material, presented in the unstarred sections of Chapters 1 through 11, was normally covered, but different applications of this basic material were stressed from year to year, and the book therefore contains more material than was covered in any one year. It can accordingly be used (with omissions) as a text for a year's course in advanced calculus, or as a text for a three-semester introduction to analysis. The prerequisites are a good grounding in the calculus of one variable from a mathematically rigorous point of view, together with some acquaintance with linear algebra. The reader should be familiar with limit and continuity type arguments and have a certain amount of mathematical sophistication. As possible introductory texts, we mention Differential and Integral Calculus by R Courant, Calculus by T Apostol, Calculus by M Spivak, and Pure Mathematics by G Hardy. The reader should also have some experience with partial derivatives. In overall plan the book divides roughly into a first half which develops the calculus (principally the differential calculus) in the setting of normed vector spaces, and a second half which deals with the calculus of differentiable manifolds.

NASA Space Flight Program and Project Management Handbook Bloomsbury Publishing

The Second Edition of An Applied Guide to Research Designs offers researchers in the social and behavioral sciences guidance for selecting the most appropriate research design to apply in their study. Using consistent terminology, the authors visually present a range of research designs used in quantitative, qualitative, and mixed methods to help readers conceptualize, construct, test, and problem solve in their investigation. The Second Edition features revamped and expanded coverage of research designs, new real-world examples and references, a new chapter on action research, and updated ancillaries.

[Dictionary Catalog of the University Library, 1919-1962](#) Bloomsbury Publishing USA

The European Union regime for fighting market manipulation and insider trading – commonly referred to as market abuse – was significantly reshuffled in the wake of the financial crisis of 2007/2008 and new legal instruments to fight market abuse were eventually adopted in 2014. In this monograph the authors identify the association between the financial crisis and market abuse, critically consider the legislative, policy and enforcement responses in the European Union, and contrast them with the approaches adopted by the United States of America and the United Kingdom respectively. The aftermath of the financial crisis, ongoing security concerns and increased legislation and policy responses to the fight against irregularities and market failures demonstrate that we need to understand, in context, the regulatory responses taken in this area. Specifically, the book investigates how the regulatory responses have changed over time since the start of the financial crisis. Market Manipulation and Insider Trading places the fight against market abuse in the broader framework of the fight against white collar crime and also considers some associated questions in order to better understand the contemporary market abuse regime.

Community Translation Oxford University Press

Shifting Paradigms in International Investment Law More Balanced, Less Isolated, Increasingly Diversified Oxford University Press

[Public Asset Management Companies](#) Elsevier

International economic law, with its traditional focus on large multinational enterprises, is only slowly waking up to the new reality of small and medium-sized enterprises (SMEs), entering the global marketplace. In the wake of the digital revolution, smaller companies now play an important role in the global economic landscape. In 2015 the UN expressly called for SMEs to have greater access to international trade and investment, and it is increasingly recognized that the integration of SMEs provides one of the keys to creating a more sustainable and inclusive global economy. As SMEs increasingly permeate transnational supply chains, so interactions between these companies and international economic law and policy proliferate. Small and Medium-sized Enterprises in International Economic Law offers the first comprehensive analysis of the interaction between SMEs and international economic law. This book presents a broad international perspective, gathering together contributions by leading experts from academia, legal practice, and international organizations. It opens up a field of enquiry into this so far unexplored dynamic and provide a touchstone for future debate. The analysis covers a broad spectrum of international trade and investment law focusing on issues of particular interest to SMEs, such as trade in services, government procurement, and trade facilitation. Diverse perspectives illuminate regional developments (in particular within the EU) and the implications of mega-regional free trade agreements. The essays also examine questions of legitimacy of global economic governance; in particular, concerns surrounding the threat posed to the interests of domestic SMEs by the growing liberalization of international trade and investment. These essays constitute essential reading for practitioners and academics seeking to navigate a previously neglected trend in international economic law.

The Accountability Gap in EU law Oxford University Press

House of Lords reform is often characterised as unfinished business: a riddle that has been left unanswered since 1911. But rarely can an unanswered riddle have had so many answers offered, even though few have been accepted; indeed, when Viscount Cave was invited in the mid-1920s to lead a Cabinet committee on Lords reform, he complained of finding 'the ground covered by an embarrassing mass of proposals'. That embarrassing mass increased throughout the twentieth century. Much ink has been spilled on what should be done with the upper House of Parliament; much less ink has been expended on why reform has been so difficult to achieve. This book analyses in detail the principal attempts to reform the House of Lords. Starting with the Parliament Act of 1911 the book examines the century of non-reform that followed, drawing upon substantial archival sources, many of which have been under-utilised until now. These sources challenge many of the existing understandings of the history of House of Lords reform and the reasons for success or failure of reform attempts. The book begins by arguing against the popular idea that the 1911 Act was intended by its supporters to be a temporary measure. 'No one – peers included – should be allowed to pronounce about the future of the House of Lords without reading Chris Ballinger's authoritative, shrewd and readable account about reform attempts over the past century. He punctures several widely-held myths and claims in the current debate.' Rt Hon Peter Riddell CBE Director, Institute for Government and former Hansard Society chair 'This is at once an impeccably researched academic study, and a thoroughly readable account loaded with lessons for today's would-be Lords reformers.' Lord (David) Lipsey

[The House of Lords 1911-2011](#) Oxford Studies in European Law

Global biennials have proliferated in the contemporary art world, but artists' engagement with large-scale international exhibitions has a much longer history that has influenced the present in important ways. Going back to the earliest world's fairs in the nineteenth century, this book argues that "globalism" was incubated in a century of international art contests and today constitutes an important tactic for artists. As world's fairs brought millions of attendees into contact with foreign cultures, products, and processes, artworks became juxtaposed in a "theater of nations," which challenged artists and critics to think outside their local academies. From Gustave Courbet's rebel pavilion near the official art exhibit at the 1855 French World's Fair to curator Beryl Madra's choice of London-based Cypriot Hussein Chalayan for the off-site Turkish pavilion at the 2006 Venice Biennale, artists have used these exhibitions to reflect on contemporary art, speak to their own governments back home, and challenge the wider geopolitical realm—changing art and art history along the way. Ultimately, Caroline A. Jones argues, the modern appetite for experience and event structures, which were cultivated around the art at these earlier expositions, have now come to constitute contemporary art itself, producing encounters that transform the public and force us to reflect critically on the global condition.

Mind the Gap Penguin

International investment law is in transition. Whereas the prevailing mindset has always been the protection of the economic interests of individual investors, new developments in international investment law have brought about a paradigm shift. There is now more than ever before an interest in a more inclusive, transparent, and public regime. Shifting Paradigms in International Investment Law addresses these changes against the background of the UNCTAD framework to reform investment treaties. The book analyses how the investment treaty regime has changed and how it ought to be changing to reconcile private property interests and the state's duty to regulate in the public interest. In doing so, the volume tracks attempts in international investment law to recalibrate itself towards a more balanced, less isolated, and increasingly diversified regime. The individual chapters of this edited volume address the contents of investment agreements, the system of dispute settlement, the interrelation of investment agreements with other areas of public international law, constitutional questions, and new regional perspectives from Europe, South Africa, the Pacific Rim Region, and Latin America. Together they provide an invaluable resource for scholars, practitioners, and policymakers. The individual chapters of this edited volume address the contents of investment agreements, the system of dispute settlement, the interrelation of investment agreements with other areas of public international law, constitutional questions, and new regional perspectives from Europe, South Africa, the Pacific Rim Region, and Latin America. Together they provide an invaluable resource for scholars, practitioners, and policymakers.

[How to Write a Good Scientific Paper](#) World Bank Publications

The break-in at Watergate and the cover-up that followed brought about the resignation of Richard Nixon, creating a political shockwave that reverberates to this day. But as Ken Hughes reveals in his powerful new book, in all the thousands of hours of declassified White House tapes, the president orders a single break-in—and it is not at the Watergate complex. Hughes's examination of this earlier break-in, plans for which the White House ultimately scrapped, provides a shocking new perspective on a long history of illegal activity that prolonged the Vietnam War and was only partly exposed by the Watergate scandal. As a key player in the University of Virginia's Miller Center Presidential Recordings Program, Hughes has spent more than a decade developing and mining the largest extant collection of transcribed tapes from the Johnson and Nixon White Houses. Hughes's unparalleled investigation has allowed him to unearth a pattern of actions by Nixon going back long before 1972, to the final months of the Johnson administration. Hughes identified a clear narrative line that begins during the 1968 campaign, when Nixon, concerned about the impact on his presidential bid of the Paris peace talks with the Vietnamese, secretly undermined the negotiations through a Republican fundraiser named Anna Chennault. Three years after the election, in an atmosphere of paranoia brought on by the explosive appearance of the Pentagon Papers, Nixon feared that his treasonous—and politically damaging—manipulation of the Vietnam talks would be exposed. Hughes shows how this fear led to the creation of the Secret Investigations Unit, the "White House Plumbers," and Nixon's initiation of illegal covert operations guided by the Oval Office. Hughes's unrivaled command of the White House tapes has allowed him to build an argument about Nixon that goes far beyond what we think we know about Watergate. Chasing Shadows is also available as a special e-book that links to the massive collection of White House tapes published by the Miller Center through Rotunda, the electronic imprint of the University of Virginia Press. This unique edition allows the reader to move seamlessly from the book to the recordings' expertly rendered transcripts and to listen to audio files of the remarkable—and occasionally shocking—conversations on which this dark chapter in American history would ultimately turn.

Capacity Mechanisms in the EU Energy Market Bloomsbury Publishing

Many scientists and engineers consider themselves poor writers or find the writing process difficult. The good news is that you do not have to be a talented writer to produce a good scientific paper, but you do have to be a careful writer. In particular, writing for a peer-reviewed scientific or engineering journal requires learning and executing a specific formula for presenting scientific work. This book is all about teaching the style and conventions of writing for a peer-reviewed scientific journal. From structure to style, titles to tables, abstracts to author lists, this book gives practical advice about the process of writing a paper and getting it published.

More Balanced, Less Isolated, Increasingly Diversified Academic Press

The issue of justice in the field of health care is becoming more central with concerns over access, cost and provision. Obamacare in the United States and the Health and Social Care Act 2012 in the United Kingdom are key examples illustrating the increasing pressure put on governments to find just and equitable solutions to the problem of health care provision. Justice and Profit in Health Care Law explores the influence of justice principles on the elaboration of laws reforming health care systems. By examining the role played by key for-profit stakeholders (doctors, employers and insurers), it tracks the

evolution of distributive norms for the allocation of health care resources in western welfare states.

Essentially, this book sheds light on the place given to justice in the health care law-making process in order to understand the place we wish to give these principles in future health care reforms.

The UK and European Human Rights Bloomsbury Publishing

The latest volume in the highly acclaimed series addresses atomic collisions, assessing the status of the current knowledge, identifying deficiencies, and exploring ways to improve the quality of cross-section data. Eleven articles, written by foremost experts, focus on cross-section determination by experiment or theory, on needs in selected applications, and on efforts toward the compilation and dissemination of data. This is the first volume edited under the additional direction of Herbert Walther. Presents absolute cross sections for atomic collisions Uses benchmark measurements and benchmark calculations Discusses needs for cross-section data in applications Contains a guide to data resources, bibliographies, and compendia